

IN THE CLAIMS:

1. (Currently Amended) An ink composition comprising:
a dye;
a solvent for the dye; and
an additive comprising ~~an amino acid or a derivative~~ a sulfonic acid analog
of an amino acid, the additive having a polarity greater than the polarity of the solvent,
the additive ~~preventing~~ present in an amount that inhibits the dye from coalescing in the
solvent thereby increasing the solubility of the dye in the solvent.
2. (Currently Amended) An ink composition as defined in claim 1, wherein
the additive amino acid comprises glycine, lysine, taurine, beta-alanine, betaine, or
mixtures thereof.
3. Canceled
4. (Currently Amended) An ink composition as defined in claim 1, wherein
the ~~amino acid or the derivative~~ sulfonic acid analog of an amino acid is a zwitterion.
5. (Original) An ink composition as defined in claim 1, wherein the additive is
present in the ink composition at a mole fraction of from about 0.004 to about 0.04.
6. (Original) An ink composition as defined in claim 1, wherein the additive is
present in the ink composition at a mole fraction of from about 0.01 to about 0.02.
7. (Original) An ink composition as defined in claim 1, wherein the solvent
comprises water.
8. (Original) An ink composition as defined in claim 1, wherein the additive
has a dipole moment greater than about 4 debye.
9. (Original) An ink composition as defined in claim 1, wherein the additive
has a dipole moment greater than about 10 debye.
10. (Original) An ink composition as defined in claim 1, wherein the dye
comprises a sulfonated dye.
11. (Original) An ink composition as defined in claim 1, wherein the dye
comprises an acid dye.
12. (Original) An ink composition as defined in claim 1, wherein the ink
composition further comprises an organic cosolvent and a surfactant.

13. (Original) An ink composition as defined in claim 1, wherein the dielectric constant of the composition increases by at least 20% due to the presence of the additive.

14. (Currently Amended) An ink composition as defined in claim 1, wherein the ~~additive comprises an amino acid or a derivative~~ sulfonic acid analog of an amino acid ~~having~~ has a molecular weight of less than about 500.

15. (Currently Amended) An ink composition comprising:
a dye comprising a sulfonated dye or an acid dye;
a solvent for the dye, the solvent comprising water for forming an aqueous medium; and

an additive comprising ~~an amino acid or a derivative~~ a sulfonic acid analog of an amino acid, the amino acid or the derivative of the amino acid being a zwitterion, the additive having a polarity greater than the polarity of water, the additive ~~preventing~~ being present in a concentration that prevents the dye from coalescing in the solvent thereby increasing the solubility of the dye in the solvent.

16. (Original) An ink composition as defined in claim 15, wherein the additive is present in the ink composition at a mole fraction greater than about 0.004.

17. (Original) An ink composition as defined in claim 15, wherein the additive has a dipole moment greater than about 4 debye.

18. (Original) An ink composition as defined in claim 15, wherein the additive has a dipole moment greater than about 10 debye.

19. (Currently Amended) An ink composition as defined in claim 15, wherein the ~~additive~~ amino acid comprises glycine, lysine, taurine, beta-alanine, betaine, or mixtures thereof.

20. (Original) An ink composition as defined in claim 15, wherein the ink composition further comprises an organic cosolvent and a surfactant.

21. (Original) An ink composition as defined in claim 15, wherein the dye comprises a sulfonated dye.

22. (Original) An ink composition as defined in claim 15, wherein the dielectric constant of the composition increases by at least 20% due to the presence of the additive.

23. (Currently Amended) An ink composition as defined in claim 15, wherein the ~~additive comprises an amino acid or a derivative~~ sulfonic acid analog of an amino acid ~~having~~ has a molecular weight of less than about 500.

24. (Currently Amended) A process for printing on a substrate comprising: ink-jet printing an ink composition onto a substrate, the ink composition comprising:

- (a) a dye comprising a sulfonated dye or an acid dye;
- (b) a solvent for the dye, the solvent comprising water for forming an aqueous medium; and
- (c) an additive comprising ~~an amino acid or a derivative~~ a sulfonic acid analog of an amino acid, the amino acid or the derivative of the amino acid being a zwitterion, the additive having a polarity greater than the polarity of water, the additive ~~preventing being present in an amount that prevents~~ the dye from coalescing in the solvent thereby increasing the solubility of the dye in the solvent.

25. (Original) A process as defined in claim 24, wherein the ink composition is emitted by a printing head onto the substrate in the form of droplets, the printing head not contacting the substrate during the printing process.

26. (Currently Amended) A process as defined in claim 24, wherein the additive amino acid comprises glycine, lysine, taurine, beta-alanine, betaine, or mixtures thereof.

27. (Original) A process as defined in claim 24, wherein the additive is present in the ink composition at a mole fraction of from about 0.004 to about 0.04.

28. (Original) A process as defined in claim 24, wherein the additive has a dipole moment greater than about 10 debye.

29. (Original) A process as defined in claim 24, wherein the ink composition further comprises an organic cosolvent and a surfactant.

30. Canceled

31. (Currently Amended) An ink composition comprising:
a dye;
a solvent for the dye; and
an additive comprising a ~~zwitterion~~ sulfonic acid analog of an amino acid,
the additive being present in the ink composition at a mole fraction of less than about 0.1, the additive having a polarity greater than the polarity of the solvent, the additive ~~preventing~~ present in a concentration that prevents the dye from coalescing in the solvent thereby increasing the solubility of the dye in the solvent.
32. Canceled
33. (Currently Amended) An ink composition as defined in claim 31 ~~[[32]]~~, wherein the ~~additive~~ amino acid comprises glycine, lysine, taurine, beta-alanine, betaine, or mixtures thereof.
34. Canceled
35. (Original) An ink composition as defined in claim 31, wherein the additive is present in the ink composition at a mole fraction of from about 0.004 to about 0.04.
36. (Original) An ink composition as defined in claim 31, wherein the additive has a dipole moment greater than about 4 debye.
37. (Original) An ink composition as defined in claim 31, wherein the additive has a dipole moment greater than about 10 debye.
38. (Original) An ink composition as defined in claim 31, wherein the dye comprises a sulfonated dye and the solvent comprises water.